Application or Docket Number

PATENT APPLICATION FEE DETERMINATION RECORD
Effective October 1, 2000

Page 1

1533.1100001/SRL/Pcs

CLAIMS AS FILED - PART I

	(Column 1)	(Column 2)
TOTAL CLAIMS	30	
FOR	NUMBER FILED	NUMBER EXTRA
TOTAL CHARGEABLE CLAIMS	30 minus 20=	10
INDEPENDENT CLAIMS	1 minus 3 =	0
MULTIPLE DEPENDENT CLAIM PRESENT		☐

* If the difference in column 1 is less than zero, enter "0" in column 2

SMALL ENTITY TYPE ☐		OR	OTHER THAN SMALL ENTITY	
RATE	FEE		RATE	FEE
BASIC FEE	355.00	OR	BASIC FEE	710.00
X$ 9=		OR	X$18=	180
X40=		OR	X80=	
+135=		OR	+270=	
TOTAL		OR	TOTAL	890

CLAIMS AS AMENDED - PART II

AMENDMENT A

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA
Total	30	Minus	** 30	= 0
Independent	1	Minus	*** 3	= 0
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM				☐

SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
X$ 9=		OR	X$18=	
X40=		OR	X80=	
+135=		OR	+270=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

AMENDMENT B

1/22/03

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA
Total	30	Minus	** 30	= 0
Independent	3	Minus	*** 3	= 0
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM				☐

RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
X$ 9=		OR	X$18=	
X40=		OR	X80=	
+135=		OR	+270=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

AMENDMENT C

9/17/03

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA
Total	37	Minus	** 30	= 7
Independent	1	Minus	*** 3	= 0
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM				☐

RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
X$ 9=		OR	X$18=	126.00
X40=		OR	X80=	
+135=		OR	+270=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	126.00

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

PATENT APPLICATION FEE DETERMINATION RECORD
Effective January 1, 2003

Page 2

Application or Docket Number

09/826206

CLAIMS AS FILED - PART I

	(Column 1)	(Column 2)
TOTAL CLAIMS		
FOR	NUMBER FILED	NUMBER EXTRA
TOTAL CHARGEABLE CLAIMS	minus 20=	*
INDEPENDENT CLAIMS	minus 3 =	*
MULTIPLE DEPENDENT CLAIM PRESENT		☐

SMALL ENTITY TYPE ☐		OR	OTHER THAN SMALL ENTITY	
RATE	FEE		RATE	FEE
BASIC FEE	$375	OR	BASIC FEE	$750
X$ 9=		OR	X$18=	
X42=		OR	X84=	
+140=		OR	+280=	
TOTAL		OR	TOTAL	

* If the difference in column 1 is less than zero, enter "0" in column 2

CLAIMS AS AMENDED - PART II

4/19/04

AMENDMENT A

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA
Total	* 40	Minus	** 37	= 3
Independent	* 5	Minus	*** 3	= 2
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM				☐

SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
X$ 9=		OR	X$18=	54.00 *pd*
X42=		OR	X84=	172.00 *pd*
+140=		OR	+280=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	226.00 *pd*

9/1/04

AMENDMENT B

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA
Total	* 37	Minus	** 40	= 0
Independent	* 3	Minus	*** 5	= 0
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM				☐

SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
X$ 9=		OR	X$18=	
X42=		OR	X84=	
+140=		OR	+280=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

AMENDMENT C

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT. EXTRA
Total	*	Minus	**	=
Independent	*	Minus	***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM				☐

SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
X$ 9=		OR	X$18=	
X42=		OR	X84=	
+140=		OR	+280=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."
***If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

PATENT

Attorney Docket No.: 030918

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit: 1652   :

Examiner: Manjunath N. Rao   :   Title:
                                                  KETOGULONIGENIUM
In re application of   :   SHUTTLE VECTORS
    John D-Elia   :

Serial No.: 09/826,206   :

Filing Date: April 5, 2001

AMENDMENT AND REPLY

April 19, 2004
Pittsburgh, Pennsylvania

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

    This Amendment is being filed in response to the Office Action mailed from the U.S.

Patent and Trademark Office on December 19, 2003 in the above-identified application.

Reconsideration and further examination are requested.

    An extension of time to respond to the Office Action is respectfully requested. A Petition

for Extension of Time and the appropriate fee are being filed concurrently with this Amendment.

    Amendments to the Claims are shown in the "Listing of the Claims" which begins on

page 2 of this paper.

    Remarks begin on page 7 of this paper.

    Please enter the following amendments and remarks.

04/21/2004 GWORDOF1 00000008 09826206

02 FC:1201   172.00 OP

FEE FOR CLAIMS

4.   The fee for claims (37 CFR 1.16(b)-(d) has been calculated as shown below:

(Col. 1) CLAIMS REMAINING AFTER AMENDMENT	(Col. 2) HIGHEST NO PREVIOUSLY PAID FOR	(Col. 3) PRESENT EXTRA	SMALL ENTITY			OTHER THAN A SMALL ENTITY	
			RATE	ADDIT. FEE	OR	RATE	ADDIT. FEE
TOTAL 41•	MINUS 37••	= 0	x9=	$0		x18=	$0
INDEP. 6•	MINUS 3•••	= 3	x 43=	$0		X86=	$258.
☐ FIRST PRESENTATION OF MULTIPLE DEP. CLAIM		+130=	$			+290=	$0
			TOTAL ADDIT. FEE	$0	OR	TOTAL ADDIT. FEE	$258.00

•   If the entry in Col. 1 is less than entry in Col. 2, write "Y" in Col. 3.

••   If the "Highest No. Previously Paid for" IN THIS SPACE is less than 20, enter "20."

•••   If the "Highest No. Previously Paid for" IN THIS SPACE is less than 3, enter "3."
The "Highest No. Previously Paid for" (Total or indep.) is the highest number found in the appropriate box in Col. 1 of a prior amendment or the number of claims originally filed.

WARNING   "After final rejection or action (§ 1.113) amendments may be made cancelling claims or complying with any requirement of form which has been made." 37 CFR § 1.116(a) (emphasis added).

Complete (c) or (d), as applicable)

(c)   ☐   No additional fee for claims is required.

OR

(d)   ☒   Total additional fee for claims required $ 258.00

FEE PAYMENT

5.   ☒   Attached is a check in the sum of $ 282.00
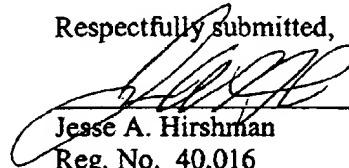
☐   Charge Account No. _____ the sum of $ _____

A duplicate of this transmittal is attached.

Applicant believes that claims 1-14 and 17-43 define over the prior art of record and are in proper form for allowance. Applicant respectfully requests allowance of claims 1-14 and 17-43.

Respectfully submitted,

Jesse A. Hirshman
Reg. No. 40,016
Attorney for Applicant

KIRKPATRICK & LOCKHART LLP
Henry W. Oliver Building
535 Smithfield Street
Pittsburgh, PA 15222-2312
Telephone: 412.355.8966
Facsimile: 412.355.6501